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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/005,184	12/05/2001	Rodney W. Salo	279.365US1	6930		
21186	7590 03/24/2004		EXAMINER			
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.			MANUEL, C	MANUEL, GEORGE C		
P.O. BOX 293 MINNEAPOL	8 IS, MN 55402	ART UNIT	PAPER NUMBER			
•			3762			
			DATE MAILED: 03/24/2004	, <u>, , , , , , , , , , , , , , , , , , </u>		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Applicatio	n No.	Applicant(s)				
Office Action Summary		10/005,184	4	SALO, RODNEY W.				
		Examiner		Art Unit				
		George Ma		3762				
Period f	The MAILING DATE of this communicat or Reply	ion appears on the	cover sheet with the c	orrespondence address				
THE - Exte after - If the - If NO - Failt Any	MORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA' ensions of time may be available under the provisions of 37 r SIX (6) MONTHS from the mailing date of this communicate period for reply specified above is less than thirty (30) dad to period for reply is specified above, the maximum statutor ure to reply within the set or extended period for reply will, I reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	TION. 7 CFR 1.136(a). In no ever ation. 1ys, a reply within the statur ry period will apply and will by statute, cause the appli	nt, however, may a reply be tin tory minimum of thirty (30) day expire SIX (6) MONTHS from cation to become ABANDONE	nely filed s will be considered timely. the mailing date of this communion (35 U.S.C. § 133).	cation.			
Status								
1) 🏹	Responsive to communication(s) filed o	n 16 January 2004	1					
·	_	\boxtimes This action is no						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	tion of Claims							
5)□ 6)⊠ 7)⊠	, , , , , , , , , , , , , , , , , , , ,	vithdrawn from con cted. e objected to.						
Applicat	tion Papers							
10)	The specification is objected to by the Extra The drawing(s) filed on is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the The oath or declaration is objected to by	accepted or b) n to the drawing(s) be correction is require	e held in abeyance. See ed if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.1	• •			
Priority	under 35 U.S.C. § 119							
12)□ a)	Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority doc 2. Certified copies of the priority doc 3. Copies of the certified copies of the application from the International See the attached detailed Office action for	cuments have beer cuments have beer he priority docume Bureau (PCT Rule	n received. n received in Applicati nts have been receive e 17.2(a)).	on No ed in this National Stage)			
2) Noti 3) Info	n t(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO- rmation Disclosure Statement(s) (PTO-1449 or PTC er No(s)/Mail Date <u>3, 4</u> .		4) Interview Summary Paper No(s)/Mail Di 5) Notice of Informal F 6) Other:					

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-7, 9, 15, 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Cohen '289.

Cohen discloses identifying an infracted area comprising designating area MI in Fig. 12. One of ordinary skill in the art would have found it obvious to pre-excite sites proximate to the infracted area because Cohen teaches using ventricular sequential pacing to shorten the Q-T interval, see Figs. 6-11, and col. 14, line 59 to col. 15, line 3.

Regarding claim 7 and 17, Cohen teaches FIGS. 30a and 30b and 31 describe a ventricular sequential pacing system where pacing foci 40A, 41A and 42A will experience equal current flow with a voltage drop across each proportional to the ventricular impedance each experiences. One of ordinary skill in the art would have found it obvious to modify the deliver pacing pulses responsive to the sensed

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impedances because the teaching applies to ventricular wall motions or thickness which

effect the voltage drops.

Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over by Ben-

Haim '094.

Ben-Haim discloses identifying an ischemic region, portion 120 in a ventricle, see

Fig. 12C, and delivering pacing pulses to an area, location 124, proximate to the

ischemic region. One of ordinary skill in the art would have found it obvious to pre-

excite the pacing site because Ben-Haim teaches that moving the pacing site takes over

part of the workload of the eschemic region.

Allowable Subject Matter

Claims 8, 10, 11, 13, 14, 16 and 18 are objected to as being dependent upon a

rejected base claim, but would be allowable if rewritten in independent form including all

of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to George Manuel whose telephone number is (703) 308-

2118.

George Manuel rimary Examiner Art Unit: 3762

3/12/04

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